

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12541

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04M1/57 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/41405 A (VERSPAGET JOSEPHUS FRANCISCUS) 7 June 2001 (2001-06-07) page 1, line 21 - page 10, line 4 figures 1-3	1-18
X	EP 0 973 309 A (SIEMENS INF & COMM NETWORKS) 19 January 2000 (2000-01-19) abstract column 2, line 1 - line 46 column 3, line 24 - column 6, line 9 figures 1-3	1-18
X	EP 1 296 499 A (SAMSUNG ELECTRONICS CO LTD) 26 March 2003 (2003-03-26) abstract column 1, line 40 - column 2, line 41 column 3, line 4 - column 8, line 57 figures 1-4	1-18
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

21 July 2004

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30/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2003/032414 A1 (MELAKU ET AL) 13 February 2003 (2003-02-13) abstract paragraph '0004! - paragraph '0011! paragraph '0021! - paragraph '0044! figures 1-5</p> <p>-----</p>	1-18

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0141405	A	07-06-2001	NL 1013721 C2 NL 1014418 C1 AU 2715801 A EP 1238519 A1 WO 0141405 A1	07-11-2000 06-02-2001 12-06-2001 11-09-2002 07-06-2001
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US 2003032414	A1	13-02-2003	NONE	